

--DETOXI-GEL™--.

In the claims:

Please amend claim 29 as follows:

Q1
Sub C1
--29. (amended) A method of inhibiting clot formation in a subject which comprises adding to blood an amount of an inactive recombinant mutein in an amount effective to inhibit clot formation in the subject but which does not significantly interfere with hemostasis when the blood is administered to a patient,

wherein the inactive recombinant mutein comprises:

- (a) a proteolytically inactive recombinant mutein of Factor IX, or
- (b) a proteolytically inactive recombinant mutein of Factor IXa

and wherein the recombinant mutein comprises a substitution, deletion, or addition of one or more amino acids to wild-type Factor IX or wild-type Factor IXa resulting in reduced ability to convert Factor X to Factor Xa.--

Q2
--33.³ (new)

The method of claim ~~29~~¹, wherein the recombinant mutein of Factor IX comprises an amino acid substitution for one or more of His221, Asp269 or Ser365 of wild-type Factor IX.--

--34.⁴ (new)

The method of claim ~~33~~³, wherein the substitution for Ser365 of wild-type Factor IX is alanine.--

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--35. (new)

The method of claim 29, wherein the recombinant mutein of Factor IX comprises a deletion of one or more amino acids of wild-type Factor IX.--

--36. (new)

The method of claim 29, wherein the recombinant mutein of Factor IX consists essentially of amino acids 1-47 of Factor IX, and further comprises at least one amino acid substitution from wild-type Factor IX sequence.--

--36. (new)

The method of claim 29, wherein the substitution, deletion or addition occurs at an active site within Factor IX or Factor IXa, rendering the mutein functionally inactive.--

--37. (new)

The method of claim 29, wherein the recombinant mutein of Factor IXa comprises a deletion of one or more amino acids of wild-type Factor IXa.--

--38. (new)

The method of claim 29, wherein the recombinant mutein of Factor IXa comprises an amino acid substitution for one or more of His41, Asp89 or Ser185 in the heavy chain of wild-type Factor IXa.--

--39. (new)

The method of claim 38, wherein the substitution for Ser185 of wild-type Factor IXa is alanine.--

REMARKS

Claims 1-32 were pending. The Examiner withdrew claims 1-28 and 31-32 from consideration as being drawn to non-elected inventions.

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